# This Page Is Inserted by IFW Operations and is not a part of the Official Record

#### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

#### IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

	FEB 2 2 2002	ION DISCLOSURE CITATION	OMB No. 0651-0011
	74 2 010	TON DISCESSIONE CITATION	RECEIVED
Atty. Docket No.	3229.0018-02000	Serial No. 10/014,415	
Applicant	R. Jan MOWILL		APR 1 2 2002
Filing Date	December 14, 2001	Group: Unassigned	TECH CENTER 1600/2900

Examiner Initial*	Document Number	Issue Date*	All dates Name	Class	Sub Class	Filing Date If Appropriate
M	1,355,320	12/09/71	Quinn	1	7	
j	1,705,383	03/12/29	Weiss			
	2,108,822	02/22/38	Lippincott			
	2,183,836	12/19/39	Gordon, Jr.			
	2,268,270	12/30/41	Traupel		7	<u> </u>
	2,446,059	07/27/48	Peterson		1	
	2,469,238	05/03/49	Newton			· <del></del> ···
	2,487,514	11/08/49	Boestade, et al.			
	2,488,969	11/22/49	Dietler			
	2,489,939	11/29/49	Traupel			
	2,513,601	07/04/50	Traupel		1	
	2,608,822	09/02/52	Pavlecka et al.			
	2,620,626	12/09/52	Lysholm			
	2,621,475	12/16/52	Loy			
	2,261,477	12/1952	Powter et al.			
7	2,625,012	01/13/53	Larrecq	17		
	2,663,141	12/22/53	Hage			
	2,675,673	04/20/54	Mallinson, et al.			
	2,837,894	06/10/58	Kind			
	2,988,884	06/20/61	Pouit	$\Box T$		
	2,999,359	09/12/61	Murray			
	3,088,279	05/07/63	Diedrich			-
	3,091,080	05/28/63	Crim, et al.			WED
	3,091,081	05/28/63	Alper, Biehl	F	REYT	IV
	3,099,134	07/30/63	Calder, et al.	11		4 711111
	3,204,406	09/07/65	Howes, et al.		amorpa	1 UENILII II. J. 30
m	3,315,467	04/25/67	De Witt		ECHMON	

OMB No. 0651-0011

INFORMATION DISCLOSURE CITATION

FEB 2 2 2002 3229.0018-02000 Serial No. Atty. Docket No. 10/014,415 APR 1 2 2002 R. Jan MOWILL Applicant December 14, 2001 Filing Date Group: Unassigned **TECH CENTER 1600/2900** 

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
126	3,407,596	10/29/68	Dasbach, et al.	1	1 /	
	3,430,443	03/04/69	Richardson, et al.			
	3,626,444	12/07/71	Caruel, et al.			
	3,691,762	09/19/72	Ryberg, et al.			
	3,739,576	06/19/73	Chamberlain		1/	
	3,765,170	10/16/73	Nakamura		1/	
	3,765,824	10/16/73	Trozzi		1	
	3,768,962	10/30/73	Baranowski, Jr.		1	
	3,851,466	12/03/74	Verdouw		/	
	3,869,865	03/11/75	Lacroix, et al.			
	3,899,884	08/19/75	Ekstedt			
	3,905,192	09/16/75	Pierce, et al.			
	3,906,718	09/23/75	Wood			
	3,938,324	02/17/76	Hammond, Jr. et al.			
	3,958,413	05/25/76	Cornelius, et al.			
	4,012,904	03/22/77	Nogle			-
	4,030,288	06/21/77	Davis, et al.			
	4,073,137	02/14/78	Roberts			
	4,078,377	03/1998	Owens et al.	1 \		
	4,150,539	04/1979	Rubins et al.	1		
	4,192,139	03/11/80	Buchheim			· · ·
	4,193,260	03/18/80	Carlisle, et al.			
	4,215,535	08/05/80	Lewis		REC	EIVEN
	4,242,863	01/06/81	Bailey		"	EIVED
	4,255,927	03/17/81	Johnson, et al.	$\prod$	MAY	- 1 2002
	4,260,367	04/07/81	Markowski, et al.		ECHNOLO	Y CENTER R3700
Th.	4,286,430	09/01/81	Smith		1	

## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	3229.0018-02000	FEB 2 2 2002	Serial No.	10/014,415	
Applicant	R. Jan MOWILL	3173 EE	<u> </u>	·	RECEIVED
Filing Date	December 14, 200	1 PADEMARK	Group:	Unassigned	APR 1 2 2002

•		U.S. PATEN	T DOCUMENTS		TECH	CENTER 1600/2
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
N	4,297,842	11/03/81	Gerhold, et al.	j		
Î	4,301,657	11/24/81	Penny			
	4,305,255	12/15/81	Davies, et al.			
	4,350,009	09/1982	Holzapfel		1	
	4,356,698	11/02/82	Chamberlain			
	4,389,848	06/28/83	Marowski, et al.			
	4,412,414	11/01/83	Novick, et al.			
	4,457,704	07/03/84	Sommers, et al.			
	4,610,135	09/09/86	Alexander			
	4,641,495	02/10/87	Mowill	1 1/		
	4,700,542	10/20/87	Wang	<del>                                     </del>		
	4,702,070	10/27/87	Cureton, et al.			
	4,713,938	12/22/87	Willis	$+ \wedge$		·
	4,747,262	5/31/88	Maynard	T-/\		<del></del>
	4,766,721	08/30/88	lizuka, et al.			
	4,807,433	02/28/89	Maclin, et al.			
	4,829,764	05/16/89	lizuka, et al.			
	4,838,029	06/13/89	Gleason, et al.			
	4,845,944	07/11/89	Rodgers			
	4,845,952	07/11/89	Beebe			
	4,893,466	01/16/90	Egnell, et al.			
	4,898,001	02/06/90	Kuroda, et al.			
	4,928,481	05/29/90	Joshi, et al.	+		
	4,944,149	07/31/90	Kuwata			ווורס
	4,966,001	10/30/90	Beebe	<del>                                     </del>		IVED
	4,974,415	12/04/90	Shekleton, et al.	1/	MAY -	1 2002
· ph	5,016,443	05/21/91	Shimizu, et al.	TFC	HNOLOGY	ENTER R3700

# INFORMATION DISCLOSURE CITATION

Atty. Docket No.	3229.0018-02000	FEB 2 2 2002	Serial No.	10/014,415	
Applicant	R. Jan MOWILL	A SHE			BECEIVED
Filing Date	December 14, 20	01 PADEMARK	Group:	Unassigned	TOLIVES
	•				APR 1.2 2002

	·	U.S. PATEN	T DOCUMENTS			AFR 1.0 2001
Examiner Initial*	Document Number	Issue Date	Name	Class	SUBCI Class	CENTEN 1000/200 Filing Date If Appropriate
Th	5,018,354	05/28/91	Melchoir et al.	1		
ſ	5,069,029	12/03/91	Kuroda, et al.			
	5,070,700	12/10/91	Mowill			
	5,081,832	01/21/92	Mowill		1	-
	5,121,608	06/16/92	Willis, et al.		7	
	5,156,002	10/20/92	Mowill			
	5,214,911	06/01/93	Shekleton			
	5,218,824	06/15/93	Cederwall, et al.			
	5,257,499	11/02/93	Leonard	1 1/1		
	5,292,244	03/1994	Xiong	T		
	5,319,923	06/1994	Leonard et al.	1 ×		
	5,343,693	09/1994	Komatsu et al.	1 //1		
	5,377,483	01/03/95	Mowill		,	
	5,477,671	12/26/95	Mowill			
	5,481,866	01/09/96	Mowill			
	5,533,329	07/1996	Ohyama et al.			
	5,540,583	07/1996	Keller et al.			
	5,572,862	11/12/96	Mowill		<del></del> -	
	5,611,196	03/18/97	Wilson			
	5,613,357	03/25/97	Mowill		,	
	5,628,182	05/13/97	Mowill			
	5,638,674	06/17/97	Mowill			
	5,765,363	06/16/90	Mowill			- · · · · · · · · · · · · · · · · · · ·
	5,816,049	10/06/98	Joshi	11		
·M	5.975,887	11/1999	Kamal et al.		1	

RECEIVED

MAY - 1 2002

## INFORMATION CONTROL CITATION

Atty. Docket No.	3229.0018-02000	, FEB 2 2 2002	Serial No.	10/014,415	RECEIVED
Applicant	R. Jan MOWILL	**************************************	//		ADD to the
Filing Date	December 14, 2001	MADEMARK O	Group:	Unassigned	APR 1 2 2002

······································		FOREIGN PATE	ENT DOCUMENTS	+	EUN UE	NTER 1600/2900
	Document Number	Publication Date	Country	Clas s	Sub Class	Translation Yes or No
かん	0 074 196 03/16/83 European Patent Office				Yes	
M.	0 247 984	12/02/87	European Patent Office			Yes
TU	0 307 968 B1	09/22/88	European Patent Office	,		
war.	_0.003.013	04/01/79	European Patent Office			No
m	0 911 029	06/15/98	European Patent Office			
**	1,246,455	-10/10/60	France			-No
4KAZ	2,189,630	01/25/74	France	-	The second secon	No
ke K	2,415,203	-08/17/79	France			No
**	26.29-761	05/01/78	Germany			No
Ka	28 12 237	05/10/78	Germany	1 V		No
M	283,198	05/31/52	Switzerland		-	-No
*	301,137	11/01/54	Switzerland-			Yes No
**	33 32 959	-03/28/85	-Germany			No
XX	38 35 415 —	05/03/89	Germany			No
M	55-45739	11/19/80	Japan			Yes
- Yok	-57-41524	03/08/82	Japan			Partial No
TN	668,834	03/26/52	Great Britain			Yes
m	720,436	12/22/54	Great Britain			Yes
of de	748,208	10/28/44	Germany		-	No
**	833,739	03/10/52	Germany			No
**	872,698	-03/07/50	Germany			No
KF -	92 15 856 -	04/22/93	Germany			No
M	695,342	08/05/53	England		_	Yes CIVED
Th	610,641	10/19/48	England	/	11	Tres LIVE

### INFORMATION DISCLOSURE CITATION

Atty. Docket No.	3229.0018-02000	FFR 2 2 2000 77	Serial No.	10/014,415	REOF.
Applicant	R. Jan MOWILL	2 2002			LUCEIVED
Filing Date	December 14, 2001	PADEMARKOT	Group:	Unassigned	APR 1 2 2002

		FOREIGN PATE	ENT DOCUMENTS				IEC	1 CENTER 1600/2900
	Document Number	Publication Date	Country	ı	as s	S	ub lass	Translation Yes or No
√n	816,678	07/15/59	England	Î			1	Yes
m	WO 94/00717	01/06/94	PCT	П			-	Yes
5M	A1 0 100 135	02/08/84	EPO			7		Yes
TIL.	A1 0 161 561	11/21/85	EPO		$\int$	/		Yes
S.C.	EPO 0 731 316 A1	09/11/96	EPO				-	Yes
+n	GB 2 288 011 A	10/04/95	United Kingdom		$\bigvee$			Yes
**	EPO-0-681-099	-1-1/08/95	-EP@		Å			Yes ~ No
m	EPO 0 691 512	10/01/96	EPO		$\mathcal{T}$			
√M	EPO 0 452 642	04/26/95	EPO		T			
√n	EPO 0 635 681	05/08/98	EPO			$\prod$		
	—-EPO-0-831-275	03/25/97	-EPO	/			<del></del>	
	EPO 0863_369	_09/09/98	_EPO				$\setminus$	
	-06241455-	-08/08/94	Japan	J.	<b>**</b> **.,,		1	Abstract only

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
K	European Search Report
1	Sheperd, D.G. "Principles of Turbomachinery", New York, The MAcmillan Co., 1956, pp. 282-289.
THE	Csanady, G.T. "Turbomachines", New York; McGraw-Hill Book Co., 1964, pp. 14-23.
- In	Cox, H.R., "Gas Turbine Principles and Practice", D. Van Nostrand, pp. 2-26, 2-39.
*	Treager, E.E., "Aircraft Gas Turbine Technology", 2 <sup>nd</sup> Ed. p. 10.
m	Leonard, G. and Stegmaier, J., "Development of an Aeroderivative Gas Turbine DLE Combustion System," Diesel & Gas Turbine Worldwide, May 1993.
*	Fuel Injector Cuts NOx; Professional Engineering, September 1994.
n.	Development of an Aeroderivative Gas Turbine DLE Combustion System, Diesel & Gas Worldwide, May 1993.
-n	M. Boyce, "Gas Turbine Engineering Handbook", Gulf Pub., c. 1982, pp. 290-291.
4W	Yamada et al., "On-Engine Evaluation of Emissions Characteristics of a Variable Geometry Lean Premixed Combustion," ASME 95-GT-48, presented at the International Gas and Aeroengine Congress & Exposition, Houston, Texas June. 5-8, 1995.

OMB No. 0651-0011

### INFORMATION DISCLOSURE CITATION

				DECEMEN	
Atty. Docket No	. 3229.0018-02000	Serial No	0. 10/014,415	RECEIVED	
Applicant	R. Jan MOWILL FEB 2 2 2	002 🖫		APR 1 2 2002	
Filing Date	December 14, 2001	Group:	Unassigned	TEOU OFNITED 4600/2000	
	Maurw.	N.>		TECH CENTER 1600/2900	
Examiner T. KIN		Date Co	Date Considered 8 /28 /03		
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					
Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce					

RECEIVED

MAY - 1 2002 TECHNOLOGY CENTER R3700